Title (en)

DEINKING METHOD, DEINKING AGENT FOR USE IN SAID DEINKING METHOD, AND PLASTIC SUBSTRATE RECOVERY METHOD USING SAME

Title (de)

ENTFÄRBUNGSVERFAHREN, ENTFÄRBUNGSMITTEL ZUR VERWENDUNG IN DIESEM ENTFÄRBUNGSVERFAHREN UND KUNSTSTOFFSUBSTRATRÜCKGEWINNUNGSVERFAHREN DAMIT

Title (fr)

MÉTHODE DE DÉSENCRAGE, AGENT DE DÉSENCRAGE DESTINÉ À ÊTRE UTILISÉ DANS LADITE MÉTHODE DE DÉSENCRAGE, ET MÉTHODE DE RÉCUPÉRATION DE SUBSTRAT EN PLASTIQUE L'UTILISANT

Publication

EP 4306286 A1 20240117 (EN)

Application

EP 22766831 A 20220224

Priority

- JP 2021039114 A 20210311
- JP 2022007444 W 20220224

Abstract (en)

[Abstract] The invention provides a deinking method including a step of peeling off and removing, from a plastic substrate having an ink layer, the ink layer by using a deinking agent that contains (a) 20 mass% or more of a water-soluble solvent and (b) 0.1 mass% to 10 mass% of an inorganic base. According to the invention, it is possible to provide a deinking method that can easily peel off an ink layer printed on a plastic substrate, a deinking agent that can be used in the deinking method, and a plastic substrate recovery method using the same.

IPC 8 full level

B29B 17/02 (2006.01); **C09D 9/00** (2006.01); **C09D 9/04** (2006.01)

CPC (source: EP US)

B29B 17/02 (2013.01 - EP US); **C09D 9/04** (2013.01 - EP US); B29B 17/04 (2013.01 - EP); B29B 2017/0203 (2013.01 - EP); B29B 2017/0296 (2013.01 - EP); B29B 2017/0468 (2013.01 - EP US); B29L 2009/00 (2013.01 - EP); Y02W 30/62 (2015.05 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4306286 A1 20240117; JP 7211568 B1 20230124; JP WO2022190871 A1 20220915; US 2024124723 A1 20240418; WO 2022190871 A1 20220915

DOCDB simple family (application)

EP 22766831 A 20220224; JP 2022007444 W 20220224; JP 2022547724 A 20220224; US 202218277264 A 20220224